

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1 1. (Currently Amended) A method of performing a location service with respect to a  
2 mobile station, comprising:  
3 communicating, to the mobile station, a paging message ~~in a mobile communications~~  
4 ~~network~~ containing an indication of whether the paging message is related to at least one of an  
5 emergency-related location service and a law enforcement-related location service, the indication  
6 having a first state to indicate that the paging message is related to at least one of the  
7 emergency-related location service and the law enforcement-related location service; and  
8 ~~communicating~~ receiving information regarding the location of the mobile station.

1 2. (Cancelled)

1 3. (Currently Amended) The method of claim [[2]] 1, wherein ~~sending the page~~  
2 communicating the paging message containing the indication comprises sending one of a general  
3 page message (GPM) containing the indication and a universal page message (UPM) containing  
4 the indication.

1 4. (Currently Amended) The method of claim 3, wherein communicating the paging  
2 message ~~sending the page~~ comprises sending [[the]] a page containing a first information  
3 element to identify service option 35 or service option 36, and a second information element to  
4 indicate whether the page is related to the emergency-related location service or law  
5 enforcement-relate location service.

1 5. (Original) The method of claim 4, further comprising a base station setting a state of the  
2 second information element based on a state of a field in a paging request from a mobile  
3 switching center indicating whether the paging request is related to the emergency-related  
4 location service or the law enforcement-related service.

1 6. (Cancelled)

1 7. (Currently Amended) The method of claim [[6]] 8, wherein sending the paging request  
2 comprises sending an IS-2001 paging request containing the indication.

1 8. (Currently Amended) ~~The method of claim 6, further comprising:~~ A method of  
2 performing a location service with respect to a mobile station, comprising:  
3 communicating a paging message in a mobile communications network containing an  
4 indication of whether the paging message is related to at least one of an emergency-related  
5 location service and a law enforcement-related location service;  
6 communicating information regarding the location of the mobile station,  
7 wherein communicating the paging message comprises sending a paging request  
8 containing the indication from a mobile switching center to a base station;

9 the mobile switching center receiving a position request containing a field indicating  
10 whether the position request is related to at least one of the emergency-related location service  
11 and the law enforcement-related location service; and

12 the mobile switching center setting a state of the indication in the paging request based on  
13 the field contained in the position request.

1 9. (Original) The method of claim 8, wherein receiving the position request comprises  
2 receiving an InterSystemPositionRequest INVOKE (ISPOSREQ) message containing a CTYP  
3 field, the CTYP field indicating whether the position request is related to at least one of the  
4 emergency-related location service and the law enforcement-related location service.

1 10. (Cancelled)

1 11. (Original) The method of claim 1, further comprising sending a position determination  
2 data message (PDDM) containing an indication of whether the PDDM is related to at least one of  
3 an emergency-related location service and a law enforcement-related location service.

12. (Original) The method of claim 11, wherein sending the PDDM message comprises sending an TIA/EIA/IS-801 PDDM message.

13. (Original) The method of claim 11, further comprising:  
receiving a position request containing a field indicating whether the position request is related to at least one of the emergency-related location service and the law enforcement-related location service; and  
setting a state of the indication in the PDDM based on a state of the field in the position request.

14. (Original) The method of claim 13, wherein receiving the position request containing the field comprises receiving a GeoPositionRequest INVOKE (GPOSREQ) message containing a CTYP field.

15. (Currently Amended) ~~The method of claim 1, further~~ A method comprising:  
receiving ~~[[the]]~~ a paging message by ~~[[the]]~~ a mobile station that is not on a traffic channel and that is configured to accept an emergency-related location service or a law enforcement-related location service but not a value-added service location service, the paging message containing an indication that the paging message is related to at least one of the emergency-related location service and the law enforcement-related location service; and  
the mobile station responding to the paging message by sending a page response ~~with one of service option 35 and 36~~ indicating acceptance of a location service-related service option specified in the paging message.

16. (Currently Amended) The method of claim 15, further comprising the mobile station determining, by examining the paging message, that ~~[[a]]~~ the location service-related service option requested in the paging message should be accepted, based on association of the paging message with either an emergency-related location service or a law enforcement-related location service.

1 17. (Currently Amended) The method of claim [[1]] ~~15, wherein the mobile station is not on~~  
2 ~~a traffic channel and is configured to accept only an emergency-related location service or a law~~  
3 ~~enforcement-related location service, the method~~ further comprising:

4 the mobile station communicating position determination data messages (PDDMs) on ~~an~~  
5 ~~assigned~~ the traffic channel with a position determination entity (PDE);

6 the mobile station determining whether one or more received PDDMs are related to the  
7 emergency-related location service or law enforcement-related location service; and

8 in response to determining that the one or more received PDDMs are related to the  
9 emergency-related location service or law enforcement-related location service, the mobile  
10 station accepting request elements in the one or more received PDDMs.

1 18. (Currently Amended) An article comprising at least one storage medium containing  
2 instructions that when executed cause a mobile station in a wireless communications network to:

3 ~~communicate~~ receive messaging to ~~move~~ cause the mobile station to move to a traffic  
4 channel in response to a callback by at least one of an emergency services entity and a law  
5 enforcement entity;

6 receive a location request on the traffic channel containing an indication ~~of whether~~ that  
7 the location request is related to at least one of an emergency-related location service and a law  
8 enforcement-related location service; and

9 send location information of the mobile station in response to the location request.

1 19. (Original) The article of claim 18, wherein receiving the location request comprises  
2 receiving a position determination data message (PDDM) containing the indication.

1 20. (Original) The article of claim 18, wherein the mobile station has been configured to  
2 accept an emergency-related location service or a law enforcement-related location service but  
3 not a value-added service location service,  
4 the instructions when executed causing the mobile station to determine whether to accept  
5 the location request based on the indication contained in the location request,  
6 wherein sending the location information is performed in response to determining that the  
7 location request is to be accepted.

1 21. (Original) The article of claim 18, wherein the instructions when executed cause the  
2 mobile station to further:  
3 receive a page from a base station, the page containing an indication that the page is  
4 associated with at least one of an emergency-related location service and a law enforcement-  
5 related location service; and  
6 respond to the page by accepting a service option of the page based on the indication.

1 22. (Currently Amended) A system comprising:  
2 an interface to communicate a paging message to a mobile station; and  
3 a controller to set an indication in the paging message for indicating ~~whether~~ that the  
4 paging message is related to at least one of an emergency-related service and a law enforcement-  
5 related location service.

1 23. (Currently Amended) The system of claim 22, wherein the controller is adapted to send  
2 the paging message to ~~[[a]]~~ the mobile station in response to an idle-mode query initiated by an  
3 emergency services entity to ~~[[a]]~~ the mobile station.

1 24. (Cancelled)

1 25. (Original) The system of claim 22, comprising a base station including the interface and  
2 controller, wherein the paging message comprises a page from the base station to the mobile  
3 station.

1 26. (Original) The system of claim 22, wherein the controller is adapted to send data over a  
2 traffic channel, the data comprising a position determination data message (PDDM) containing  
3 an indication of whether the PDDM is related to emergency services.

1 27. (Currently Amended) A mobile station comprising:  
2 an interface to receive a page containing an indication of ~~whether~~ that the page is related  
3 to at least one of an emergency-related location service and a law enforcement-related location  
4 service; and  
5 a controller to respond to the page based on the indication.

1 28. (Currently Amended) The mobile station of claim 27, wherein the mobile station is  
2 configured to accept a service option specified by a page relating to an emergency-related  
3 location service or a law enforcement-related location service, but not to accept another service  
4 option specified by a page relating to a value-added location service,  
5 the controller to accept the received page in response to the indication indicating that the  
6 page is related to the emergency-related location service or law enforcement-related location  
7 service.

1 29. (Currently Amended) The mobile station of claim 28, wherein the received page contains  
2 a first information element to indicate that the page is location-related, and a second information  
3 element to indicate that the page relates to an emergency service or a law enforcement service.

1 30. (Original) The mobile station of claim 27, comprising one of a mobile phone, a portable  
2 computer with a wireless modem, a wireless-enabled personal digital assistant (PDAs), and a  
3 global positioning system (GPS) device.